

Title (en)
OFF THE SHELF PROXIMITY BIOTINYLATION ENZYME

Title (de)
ENDLAGERNÄHE-BIOTYLIERUNGSENZYM

Title (fr)
ENZYME DE BIOTINYLATION DE PROXIMITÉ IMMÉDIATE

Publication
EP 4320229 A1 20240214 (EN)

Application
EP 22717287 A 20220408

Priority
• EP 21167725 A 20210409
• NL 2022050197 W 20220408

Abstract (en)
[origin: WO2022216157A1] The present invention provides a fusion polypeptide comprising a biotin ligase enzyme fused to an immunoglobulin-binding bacterial protein, preferably wherein the immunoglobulin-binding bacterial protein is selected from Protein A, Protein G, Protein A/G and Protein L. The fusion polypeptide is preferably provided in combination with an antibody to which the immunoglobulin-binding bacterial protein can bind, and which combination is used for targeted proximity biotinylation.

IPC 8 full level
C12N 9/08 (2006.01); **C12N 9/00** (2006.01); **C12N 9/22** (2006.01); **C12N 15/63** (2006.01)

CPC (source: EP)
C07K 14/195 (2013.01); **C07K 14/31** (2013.01); **C07K 14/315** (2013.01); **C12N 9/93** (2013.01); **C07K 2319/00** (2013.01); **C07K 2319/70** (2013.01); **C07K 2319/705** (2013.01); **C12N 15/70** (2013.01); **C12N 2310/20** (2017.05); **C12Y 603/04015** (2013.01)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 2022216157 A1 20221013; EP 4320229 A1 20240214

DOCDB simple family (application)
NL 2022050197 W 20220408; EP 22717287 A 20220408